

# Blast Resistant Containers



Test Specimen after  
Explosive Test



**DESCRIPTION:** Lightweight composite material and manufacturing processes for new generation ordnance containers that may contain the blast of the weapons they stow.

**ENABLING S&T:**

- Lightweight Blast-Resistant Structures
- Advanced Manufacturing Techniques

**BENEFITS:**

- Potential to improve stowage density and flexibility by limiting segregation requirements.
- May permit packaging and stowage of ordnance assembled in “mission ready” configurations.
- Potential for safety advances in Navy ships.

**TEST STRATEGY:**

- Base Period
  - Virtual Testing
- Option Period
  - Small lightweight container will be tested with increasing charge weights until their blast containment capacity is bounded.
  - Test prototype with target ordnance

**TEAM:**

- NSWC-IH Detachment PHS&T Center
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- Honeywell